

APPENDIX E - NOISE CALCULATIONS

Table E-1

Wood Cutting 8-Hour Average Calculation

	Sound Level at 50 Feet (dBA)	Hr 1		Hr 2		Hr 3		Hr 4		Hr 5		Hr 6		Hr 7		Hr 8	
		1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
Chainsaw 1	85	0	0	85	85	85	85	85	0	0	0	0	85	0	0	0	0
Chainsaw 2	85	0	0	85	85	85	85	85	0	0	0	0	0	0	85	0	0
Chainsaw 3	85	85	85	85	85	85	85	85	85	85	85	85	0	0	0	0	0
Chainsaw 4	85	85	85	85	85	85	85	85	85	85	85	85	0	0	0	0	0
Tractor	84	0	0	0	84	84	0	0	84	84	0	84	84	0	84	84	0
Woodchipper	93	0	0	0	0	0	0	93	0	93	0	93	0	93	0	0	0
Large truck 1	76	0	0	0	0	0	0	0	0	76	76	0	0	76	76	0	0
Large truck 2	76	0	0	0	0	0	0	0	0	0	0	76	76	0	0	76	76
Power Blower	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Sound Level/half hour		88.0	88.0	91.0	91.8	91.8	91.0	95.1	89.5	94.7	88.3	94.7	89.7	93.7	84.6	87.8	79.0
8-hour average sound level at 50 feet		91.3	dBA														
Distance to 75 dBA:		328	feet														

Table E-2

Wood Staging 8-Hour Average Calculation

	Sound Level at 50 Feet (dBA)	Hr 1		Hr 2		Hr 3		Hr 4		Hr 5		Hr 6		Hr 7		Hr 8	
Sound Level		1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
Tractor	84	0	0	84	84	84	84	84	84	84	84	84	84	0	0	0	0
Tub grinder	98	0	0	96	96	96	96	96	96	96	96	96	96	0	0	0	0
Large truck 1	76	0	0	0	0	0	76	76	0	76	76	0	0	0	0	0	0
Large truck 2	76	0	0	0	0	0	0	0	0	0	0	76	76	0	76	76	0
Offsite transport rig	76	0	0	0	0	76	0	0	76	0	0	0	0	0	0	0	0
Offsite transport rig	76	0	0	0	0	0	0	0	0	0	0	76	0	0	76	0	0
Sound Level/half hour		8.5	8.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	8.5	79.0	76.0	8.5
8-hour average sound level at 50 feet		94.3	dBA														
Distance to 75 dBA:		460	feet														